

Abstract

The prism structure is of a combination of a plurality of modulators for modulating color light from a light source and a color combining prism for combining the light modulated by the plurality of modulators, wherein light shielding means having an opening in the center is arranged between the modulators and the color combining prism; and the light shielding means allows image light to pass through the opening and blocks light from the periphery of the image light.

Therefore, providing the light shielding means allows linear stray light and spot-like stray light from the periphery of the image light to be effectively removed.

Accordingly, the use of the prism structure for projectors allows elimination of stray light generated around the projection image from the projector, thereby improving image quality.